

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

In re application of

Docket No: Q77182

Yong Suk KIM, et al.

Appln. No.: 10/748,168

Group Art Unit: 2618

Confirmation No.: 6948

Examiner: PAN, YUWEN

Filed: December 31, 2003

For: SHORT-RANGE WIRELESS COMMUNICATION SYSTEM AND A HANDOFF  
PROCESSING METHOD THEREFOR

**REPLY BRIEF PURSUANT TO 37 C.F.R. § 41.41**

**MAIL STOP APPEAL BRIEF - PATENTS**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. § 41.41, Appellant respectfully submits this Reply Brief in response to the Examiner's Answer dated July 13, 2007. Entry of this Reply Brief is respectfully requested.

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**STATUS OF CLAIMS**

Claims 1-16 are appending in the application.

The Examiner maintains the rejection of Claims 1-16 under 35 U.S.C. § 103 as being unpatentable over Martini et al (USP 6,675,015) in view of Mitts et al (USP 5,940,371).

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**GROUND OF REJECTION TO BE REVIEWED ON APPEAL**

The only issue on appeal is the rejection of claims 1-16 under 35 U.S.C. § 103 as being unpatentable over Martini et al (USP 6,675,015) in view of Mitts et al (USP 5,940,371).

**ARGUMENT**

Appellant respectfully submits that claim 1 is patentable over Martini et al (USP 6,675,015) and Mitts et al (USP 5,940,371). One reason for this is that Martini and Mitts, taken either alone or in combination, do not teach or suggest a microcontroller for forwarding to a new Access Point (AP) said at least one of HCI data and transmission data buffered in the handoff buffer if a message indicating setup completion of a connection with the external device is transmitted from the new AP after a handoff occurs as the external device moves, in a state where the new AP is interlinked with the external device. Because detailed arguments were set forth in the Appeal Brief filed March 13, 2007, Appellant will not repeat these arguments here. Appellant, however, stands by the arguments presented in the Appeal Brief, and responds to the Examiner's rebuttal of these arguments.

In more detail, claim 1 recites:

a microcontroller for forwarding to a new Access Point (AP) said at least one of HCI data and transmission data buffered in the handoff buffer if a message indicating setup completion of a connection with the external device is transmitted from the new AP after a handoff occurs as the external device moves, in a state where the new AP is interlinked with the external device

In the Appeal Brief it was argued that the applied references do not teach or suggest the claimed microcontroller at least because there is no teaching or suggestion of a message indicating setup completion of a connection with the external device transmitted from the new AP after a handoff occurs, as required by claim 1. In the Examiner's Answer at page 5, the Examiner states:

the prior art of record, Mitts reference clearly teaches that "[a]s a response ... to the signaling data on the handover that indicate the new base station 40, old base station transmits to new base station 50 the cells (remind buffer information in the old base station) that were in the FIFO buffer, in the manner presented in Fig. 5 (emphasis added)" see column 8 and lines 25-30. 'The signal data' equates to a message that indicates a completion of connection between the new base station and a mobile station in which is migrating from the old base station to a new base station.

Furthermore, in the background invention of Mitts reference teaches the message (item 27, figure 2) for completion of connection between the

new base station (BSq, fig 2) and the mobile station (MU, figure 2) is sent to the old base station via (item 29, fig 2) (see column 2 and lines 27-62).

Appellant respectfully submits that the above remarks in the Examiner's Answer do not establish that Mitts teaches or suggests the claimed controller. In more detail, regarding the Examiner's reliance on Mitts that "[a]s a response ... to the signaling data on the handover that indicate the new base station 40, old base station transmits to new base station 50 the cells ... that were in the FIFO buffer, in the manner presented in Fig. 5" and that "The signal data' equates to a message that indicates a completion of connection between the new base station and a mobile station in which is migrating from the old base station to a new base station", Appellant submits that there is no teaching or suggestion in Mitts that the signaling data is a message indicating setup completion of a connection with the external device ... transmitted from the new AP after a handoff occurs. There is no teaching or suggestion that the signaling data is transmitted from the new AP. Regarding this, the Examiner's Answer states, "[I]n the background invention of Mitts reference teaches the message (item 27, figure 2) for completion of connection between the new base station (BSq, fig 2) and the mobile station (MU, figure 2) is sent to the old base station via (item 29, fig 2) (see column 2 and lines 27-62)." This supports Appellant's argument. Appellant notes that item 27 is transmitted after "mobile unit MU believes it has receive all the downlink data which had been directed from mobile representative MR via segment k to old base station BSp...." See column 2, lines 42-52. On the other hand,

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claim 1 requires "forwarding to a new Access Point (AP) said at least one of HCI data and transmission data buffered in the handoff buffer if a message indicating setup completion of a connection with the external device is transmitted from the new AP after a handoff occurs". That is, in Mitts, the completion message 27 is transmitted after the data are forwarded, but the claim requires that the forwarding of the HCI/buffered data is conditional based on the message being sent.

**CONCLUSION**

For the above reasons as well as the reasons set forth in Appeal Brief, Appellant respectfully requests that the Board reverse the Examiner's rejections of all claims on Appeal. An early and favorable decision on the merits of this Appeal is respectfully requested.

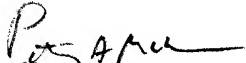
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**23373**

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